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Date: September 28, 2004
ID Number: 62375
Identifier: 128346.32311

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Comments:

In accordance with my voice mail of September 24, 2004, attached is a copy of the Power of Attorney in this case. You will notice that the present application 09/783,441 is specifically marked in Exhibit A at page 6. We appreciate your assistance in this matter.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patents and Applications as shown on : Assignee: Diamond Innovations, Inc.
attached Exhibit "A" :

Serial No.: As shown on attached Exhibit "A" :
:

**REVOCATION AND GRANT OF NEW POWER OF ATTORNEY
AND CHANGE OF CORRESPONDENCE ADDRESS**

The undersigned Assignee of record in the above-referenced patent hereby revokes all previous powers of attorney in connection with this application and appoints the following attorneys, all of whom are associated with Customer Number 21269:

James M. Singer	Reg. No. 45,111	Raymond A. Miller	Reg. No. 42,891
Joseph Melnik	Reg. No. 48,741	Kathleen A. Johnson	Reg. No. 51,852
John Pillion	Reg. No. 52,122	William F. Riesmeyer	Reg. No. 28,343
Nicole N. Endejann	Reg. No. 50,229	Carissa Tener	Reg. No. 52,278
		Joseph T. Helmsen	Reg. No. 54,163

of the firm of PEPPER HAMILTON LLP, and every attorney at law associated with that firm, to act on Assignee's behalf before all competent in connection with this application and any continuation therefrom. Please direct all future correspondence in connection with this application to attorney

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Respectfully submitted,

Diamond Innovations, Inc.,
a Delaware corporation

Dated: Feb 8, 2004

James R. Fultz
President CEO

Patents

Patent Num	Application Serial	Title	Filing Date	DI Doc#
4,311,490	219289	DIAMOND AND CBN ABRASIVE COMPACTS USING SIZE SELECTIVE ABRASIVE PARTICLE LAYERS	22-Dec-80	128346
4,525,179	542081	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	14-Oct-83	128346
4,673,414	823893	RE-SINTERED BORON-RICH POLYCRYSTALLINE CUBIC BORON NITRIDE AND METHOD FOR MAKING SAME	29-Jan-86	
4,498,450	515448	GANG SAW FOR CUTTING BLOCKS OF STONE	20-Jul-83	
4,518,659	536221	SWEEP THROUGH PROCESS FOR MAKING POLYCRYSTALLINE COMPACTS	23-Sep-83	
4,527,998	624064	BRAZED COMPOSITE COMPACT IMPLEMENTS	25-Jun-84	
4,536,442	488003	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	2-May-83	
4,605,343	652242	SINTERED POLYCRYSTALLINE DIAMOND COMPACT CONSTRUCTION WITH INTEGRAL HEAT SINK	20-Sep-84	
4,661,180	713966	METHOD OF MAKING DIAMOND TOOL	25-Mar-85	
4,690,891	830414	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	13-Feb-86	
4,738,889	920041	COATED OXIDATION RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	16-Oct-86	
4,797,138	07/048,176	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	11-May-87	
4,797,326	818850	SUPPORTED POLYCRYSTALLINE COMPACTS	14-Jan-88	
4,807,402	158272	DIAMOND AND CUBIC BORON NITRIDE	12-Feb-88	
4,810,447	697668	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	4-Feb-85	
4,828,582	163468	POLYCRYSTALLINE ABRASIVE GRIT	3-Feb-88	
4,832,708	8491	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	29-Jan-87	
4,842,877	224416	EXCIMER LASER PATTERNING OF A NOVEL RESIST	28-Jul-88	
4,850,523	07/158,336	BONDING OF THERMALLY STABLE ABRASIVE COMPACTS TO CARBIDE SUPPORTS	22-Feb-88	
4,871,377	07/151,942	COMPOSITE ABRASIVE COMPACT HAVING HIGH THERMAL STABILITY AND TRANSVERSE RUPTURE STRENGTH	3-Feb-88	
4,883,500	262405	SAWBLADE SEGMENTS UTILIZING POLYCRYSTALLINE DIAMOND GRIT	25-Oct-88	
4,899,922	158575	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	22-Feb-88	
4,931,383	07/385,268	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	12-Jun-89	
4,951,427	07/358,728	REFRACTORY METAL OXIDE COATED ABRASIVES AND GRINDING WHEELS MADE THEREFROM	30-May-89	
4,954,139	331928	METHOD FOR PRODUCING POLYCRYSTALLINE COMPACT TOOL BLANKS WITH FLAT CARBIDE SUPPORT/DIAMOND OR CBN INTERFACES	31-Mar-89	
4,981,818	07/479,486	POLYCRYSTALLINE CVD DIAMOND SUBSTRATE FOR SINGLE CRYSTAL EPITAXIAL GROWTH OF SEMICONDUCTORS	13-Feb-90	
4,885,050	7/394,349	SUPPORTED THERMALLY STABLE CUBIC BORON NITRIDE TOOLS BLANKS AND METHOD FOR MAKING THE SAME	15-Aug-89	
5,009,873	07/277,875	POLYCRYSTALLINE SANDWICH COMPACTS AND METHOD FOR MAKING SAME	30-Nov-88	
5,011,509	07/390,204	COMPOSITE COMPACT WITH A MORE THERMALLY STABLE CUTTING EDGE AND METHOD OF MANUFACTURING THE SAME	7-Aug-89	
5,011,515	07/390,208	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT RESISTANCE	7-Aug-89	
5,022,801	07/555,879	CVD DIAMOND COATED TWIST DRILLS	18-Jul-90	
5,022,894	7/420,191	DIAMOND COMPACTS FOR ROCK DRILLING AND MACHINING	12-Oct-89	
5,026,960	7/429,661	CHIP BREAKER FOR POLYCRYSTALLINE CBN AND DIAMOND COMPACTS	31-Oct-89	
5,032,147	07/153,725	HIGH STRENGTH COMPOSITE COMPONENT AND METHOD OF FABRICATION	8-Feb-88	
5,043,120	7/366,943	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	16-Jun-89	
5,096,736	07/563,367	CVD DIAMOND FOR COATING TWIST DRILLS	7-Aug-90	
5,108,392	07/669,124	MULTIGRAIN ABRASIVE PARTICLES	14-Mar-91	
5,108,792	7/630,916	CBN/CBN COMPOSITE MASSES AND THEIR PREPARATION	20-Dec-90	

Patents

Patent Num	Application Serial	Title	Filing Date	DI Pocket No
5,110,579	07/407,179	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	14-Sep-89	
5,143,523	07/762,989	DUAL-COATED DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	20-Sep-91	
5,172,681	07/635,082	RECIPROCATING POINT ROTARY DIAMOND	28-Dec-90	
5,173,091	7/710,725	CHEMICALLY BONDED ADHERENT COATING FOR ABRASIVE COMPACTS AND METHOD FOR MAKING SAME	4-Jun-91	
5,175,929	07/845,992	METHOD FOR PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION	4-Mar-92	
5,176,803	07/815,478	METHOD FOR MAKING SMOOTH SUBSTRATE MANDRELS	4-Mar-92	
5,188,643	07/738,758	METHOD OF APPLYING METAL COATING ON CUBIC BORON NITRIDE AND ARTICLES MADE THEREFROM	1-Aug-91	
5,190,734	07/660,332	MODIFIED END ASSEMBLY FOR HIGH PRESSURE, HIGH TEMPERATURE REACTION VESSELS	22-Feb-91	
5,190,796	07/722,575	IMPROVED METHOD OF APPLYING METAL COATINGS ON DIAMOND AND ARTICLES MADE THEREFROM	27-Jun-91	
5,190,823	07/853,656	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	11-Feb-91	
5,204,145	07/948,077	APPARATUS FOR PRODUCING DIAMOND BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	21-Sep-92	
5,211,726	07/669,259	PRODUCTS AND PROCESS FOR MAKING MULTIGRAIN ABRASIVE COMPACTS	14-Mar-91	
5,232,469	07/857,139	MULTI-LAYER METAL COATED DIAMOND ABRASIVES WITH AN ELECTROLESSLY DEPOSITED METAL LAYER	25-Mar-92	
5,238,674	07/826,809	HIGH PRESSURE REACTION VESSEL	28-Jan-92	
5,244,368	07/792,718	HIGH PRESSURE/HIGH TEMPERATURE PISTON-CYLINDER APPARATUS	15-Nov-91	
5,250,086	07/857,132	MULTI-LAYER METAL COATED DIAMOND ABRASIVES FOR SINTERED METAL BONDED TOOLS	25-Mar-92	
5,256,206	07/929,239	CVD DIAMOND FOR COATING TWIST DRILLS	14-Aug-92	
5,261,959	07/332,914	DIAMOND CRYSTAL GROWTH PROCESS	4-Apr-89	
5,266,236	07/773,461	THERMALLY STABLE DENSE ELECTRICALLY CONDUCTIVE DIAMOND COMPACTS	9-Oct-91	
5,273,557	07/577,379	TWIST DRILLS HAVING THERMALLY STABLE DIAMOND OR CBN COMPACTS TIPS	4-Sep-90	
5,273,731	07/859,753	SUBSTANTIALLY TRANSPARENT FREE STANDING DIAMOND FILMS	30-Mar-92	
5,300,129	08/005,951	COATING FOR IMPROVED RETENTION OF CBN IN VITREOUS BOND MATRICES	19-Jan-93	
5,300,313	07/991,798	METHOD FOR DETERMINING THICKNESS OF CHEMICAL VAPOR DEPOSITED LAYERS	16-Dec-92	
5,306,318	08/032,750	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	17-Mar-93	
5,310,447	07/744,815	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	12-Aug-91	
5,320,988	07/985,500	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	1-Dec-92	
5,346,719	08/100,406	TUNGSTEN METALIZATION OF CVD DIAMOND	2-Aug-93	
5,356,955	07/980,444	ARTIFICIAL POLYMER LATICES IN CORE-SHELL FORM AND METHOD OF PREPARATION	23-Nov-92	
5,380,479	07/547,651	ISOTOPICALLY PURE SINGLE CRYSTAL EPITAXIAL DIAMOND FILMS AND THEIR PREPARATION	2-Jul-90	
5,381,621	08/143,802	MULTIPLE GRAINED DIAMOND WIRE DIE	27-Oct-93	
5,383,687	08/121,014	DIAMOND WIRE DIE	14-Sep-93	
5,377,522	08/144,168	DIAMOND WIRE DIE WITH POSITIONED OPENING	27-Oct-93	
5,380,557	08/073,991	CARBON FLUORIDE COMPOSITIONS	3-Jun-93	
5,382,758	08/188,877	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	31-Jan-94	
5,387,447	08/138,888	METHOD FOR PRODUCING UNIFORM CYLINDRICAL TUBES OF CVD DIAMOND	19-Oct-93	
5,387,778	08/060,459	METHOD OF SEPARATION OF PIECES FROM SUPER HARD MATERIAL BY PARTIAL LASER CUT AND PRESSURE CLEAVAGE	11-May-93	
5,391,229	08/096,392	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING GRAPHITE SUBSTRATE HOLDERS	26-Jul-93	
5,392,633	08/018,838	MEASURING THE STRENGTH OF ABRASIVE GRAINS	12-Feb-93	

Exhibit A

Patents

Patent Num	Applicatn Seria	Title	Filing Date	Disocket No
5,397,398	08/172,797	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING THERMAL SPREADER	27-Dec-93	
5,405,573	07/857,192	DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	4-May-92	
5,419,276	08/183,808	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	6-Dec-93	
5,419,798	08/248,896	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	25-May-94	
5,424,096	08/261,358	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	13-Jun-94	
5,437,728	08/364,568	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	27-Dec-94	
5,437,891	08/264,288	CHEMICAL VAPOR DEPOSITION OF POLYCRYSTALLINE DIAMOND WITH ORIENTATION AND GROWTH FACETS	23-Jun-94	
5,439,482	07/887,481	FINE GRAIN DIAMOND WORKPIECES	28-Oct-92	
5,445,106	08/318,995	METHOD FOR MAKING HIGH THERMAL CONDUCTING DIAMOND	3-Oct-94	
5,451,430	08/238,543	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	5-May-94	
5,284,071	07/537,963	FREE STANDING DIAMOND SHEET AND METHOD AND APPARATUS FOR MAKING SAME	13-Jun-90	
5,465,603	08/148,803	OPTICALLY IMPROVED DIAMOND WIRE DIE	5-Nov-93	
5,468,934	08/267,181	APPARATUS FOR ANNEALING DIAMOND WATER JET MIXING TUBES	15-Jun-94	
5,479,874	08/308,077	CVD DIAMOND PRODUCTION USING PREHEATING	14-Sep-94	
5,484,330	08/095,831	ABRASIVE TOOL INSERT	21-Jul-93	
5,488,137	08/271,307	ABRASIVE TOOL INSERT	6-Jul-94	
5,490,963	08/369,047	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	5-Jan-95	
5,491,002	08/400,555	MULTILAYER CVD DIAMOND FILMS	8-Mar-95	
5,494,477	08/105,523	ABRASIVE TOOL INSERT	11-Aug-93	
5,494,753	08/262,796	ARTICLES HAVING THERMAL CONDUCTORS OF GRAPHITE	20-Jun-94	
5,500,248	08/288,078	FABRICATION OF AIR BRAZABLE DIAMOND TOOL	4-Aug-94	
5,503,104	08/411,181	SYNTHETIC DIAMOND PRODUCT	27-Mar-95	
5,508,071	08/127,984	CVD DIAMOND COATING ANNULUS COMPONENTS AND METHOD OF THEIR FABRICATION	28-Sep-93	
5,510,183	08/322,841	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITRIDE INTERLAYER FOR IMPROVED PHYSICAL PROPERTIES	13-Oct-94	
5,512,235	08/239,156	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPERTIES AND METHOD FOR MAKING SAME	6-May-94	
5,516,554	08/150,633	CYCLIC HOT-FILAMENT CVD OF DIAMOND	10-Nov-93	
5,523,121	08/220,946	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	31-Mar-94	
5,525,815	08/316,898	DIAMOND FILM STRUCTURE WITH HIGH THERMAL CONDUCTIVITY	3-Oct-94	
5,529,805	08/310,449	A METHOD FOR MANUFACTURING A DIAMOND ARTICLE	22-Sep-94	
5,540,904	08/368,732	ISOTOPICALLY PURE CARBON 12 AND CARBON 13 POLYCRYSTALLINE DIAMOND POSSESSING ENHANCING THERMAL CONDUCTIVITY	4-Jan-95	
5,544,254	08/400,556	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	8-Mar-95	
5,551,277	08/311,658	ANNULAR DIAMOND BODIES	23-Sep-94	
5,560,754	08/489,877	REDUCTION OF STRESSES IN THE POLYCRYSTALLINE ABRASIVE LAYER OF A COMPOSITE COMPACT IN THE IN SITU BONDED CARBIDE/CARBIDE SUPPORT	13-Jun-95	
5,564,511	08/415,693	COMPOSITE POLYCRYSTALLINE COMPACT WITH IMPROVED FRACTURE AND DELAMINATION RESISTANCE	15-May-95	
5,567,885	08/457,551	ELECTRONIC APPARATUS WITH COMPLIANT METAL CHIP-SUBSTRATE BONDING LAYER(S)	1-Jun-95	
5,603,070	08/585,715	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITRIDE INTERLAYER FOR IMPROVED PHYSICAL PROPERTIES	2-Feb-96	
5,626,909	08/350,572	FABRICATION OF BRAZABLE IN AIR TOOL INSERTS AND INSERTS FABRICATED THEREBY	7-Dec-94	
5,634,369	08/499,238	COMPOSITE DIAMOND WIRE DIE	7-Jul-95	
5,634,370	08/499,502	COMPOSITE DIAMOND WIRE DIE	7-Jul-95	
5,636,545	08/499,237	COMPOSITE DIAMOND WIRE DIE	7-Jul-95	

Patents

Patent Num	Application Serial	Title	Filing Date	DI Docket No.
5,645,617	08/523,868	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT AND THERMAL STABILITY	6-Sep-95	
5,647,878	08/583,360	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRICATED THEREBY	5-Jan-96	
5,659,415	08/605,417	ULTRAFAST OPTICAL MODULATOR	22-Feb-96	
5,660,075	08/412,050	WIRE DRAWING DIE HAVING IMPROVED PHYSICAL PROPERTIES	28-Mar-95	
5,660,936	08/551,593	A FINE GRAIN DIAMOND TOOL AND METHOD OF MANUFACTURE	1-Nov-95	
5,662,720	08/591,879	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT	26-Jan-96	
5,669,944	08/555,672	METHOD FOR PRODUCING UNIFORMLY HIGH QUALITY ABRASIVE COMPACTS	13-Nov-95	
5,672,395	08/654,815	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	29-May-96	
5,706,135	08/538,656	DIAMOND OPTICAL PLATE BEAMSPLITTER	3-Oct-95	
5,743,346	08/611,896	AN IMPROVED ABRASIVE CUTTING ELEMENT AND DRILL BIT	6-Mar-96	
5,773,140	08/616,997	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPERTIES AND METHOD FOR MAKING SAME	14-Mar-96	
5,829,541	08/777,222	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT WITH DIAMOND RIDGE PATTERN	27-Dec-96	
5,848,657	08/777,213	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT	27-Dec-96	
5,855,996	08/571,312	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	12-Dec-95	
5,858,525	08/874,769	SYNTHETIC GASKET MATERIAL FOR USE IN HIGH PRESSURE PRESSES	13-Jun-97	
5,869,015	09/072,144	METHOD FOR PRODUCING CUBIC BORON NITRIDE USING MELAMINE AS A CATALYST	4-May-98	
5,869,133	08/119,448	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	9-Sep-93	
5,957,005	08/950,004	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	14-Oct-97	
5,985,228	07/995,229	METHOD FOR CONTROLLING THE PARTICLE SIZE DISTRIBUTION IN THE PRODUCTION OF MULTICRYSTALLINE CUBIC BORON NITRIDE	22-Dec-92	
6,009,963	08/783,171	SUPERABRASIVE CUTTING ELEMENT WITH ENHANCED STIFFNESS, THERMAL CONDUCTIVITY AND CUTTING EFFICIENCY	14-Jan-97	
6,042,463	08/975,028	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH REDUCED FAILURE DURING BRAZING	20-Nov-97	
6,045,440	08/975,429	POLYCRYSTALLINE DIAMOND COMPACT (PDC) CUTTER WITH IMPROVED CUTTING CAPABILITY	20-Nov-97	
6,102,143	09/072,471	SHAPED POLYCRYSTALLINE CUTTER ELEMENTS	4-May-98	
6,126,741	09/206,721	POLYCRYSTALLINE CARBON CONVERSION	7-Dec-98	

Exhibit A**Patents**

Patent Num	Appl. Num	Title	Filing Date	DL Docket No.
6,132,675	09/087,776	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	29-May-98	
6,152,977	09/201,384	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	30-Nov-98	
6,187,068	09/167,196	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH DISCRETE PARTICLE SIZE AREAS	6-Oct-98	
6,196,910	09/131,460	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH IMPROVED CUTTING BY PREVENTING CHIP BUILD UP	10-Aug-98	
6,242,351	09/591,189	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	8-Jun-00	
6,258,721	09/472,104	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	27-Dec-99	
6,260,640	09/492,095	AXISYMMETRIC CUTTING ELEMENT	27-Jan-00	
6,314,836	09/358,271	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	21-Jul-99	
6,315,652	09/845,540	ABRASIVE TOOL INSERTS AND THEIR PRODUCTION	30-Apr-01	
6,319,608	09/570,957	TITANIUM CHROMIUM ALLOY COATED DIAMOND CRYSTALS FOR USE IN SAW BLADE SEGMENTS AND METHOD FOR THEIR PRODUCTION	15-May-00	
6,322,891	09/561,128	THERMALLY-DIFFUSED BORON DIAMOND AND ITS PRODUCTION	28-Apr-00	
6,350,191	09/484,389	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	14-Jan-00	
6,372,002	09/576,794	FUNCTIONALIZED DIAMONDS WITH ENHANCED RETENTION IN RESIN BONDS, REACTIONS AND METHODS FOR PRODUCING SAME, AND ABRASIVES USING FUNCTIONALIZED DIAMONDS	23-May-00	
6,375,446	09/740,777	HIGH PRESSURE APPARATUS HAVING TRANSITION SLOPE BINDING RING THAT MITIGATES TENSILE STRESSES AND CORRESPONDING METHOD	19-Dec-00	
6,377,340	09/430,477	METHOD OF DETECTION OF NATURAL DIAMONDS THAT HAVE BEEN PROCESSED AT HIGH PRESSURE AND HIGH TEMPERATURES	29-Oct-99	
6,406,776	09/484,392	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	14-Jan-00	
6,475,254	09/987,863	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF IN VITREOUS MATRIX COMPOSITES	18-Nov-01	
6,541,115	09/793,312	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	26-Feb-01	
6,596,040	10/174,914	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF IN VITREOUS MATRIX COMPOSITES	19-Jun-02	
6,666,753	09/776,141	SILVER-COATED ABRASIVES, TOOLS CONTAINING SILVER-COATED ABRASIVES, AND APPLICATIONS OF THESE TOOLS	2-Feb-01	
D317010	07/192,872	STUD-MOUNTED POLYCRYSTALLINE TOOTHED DIAMOND CUTTING BLANKS	11-May-88	
D324056	332828	INTERLOCKING MOUNTED ABRASIVE COMPACTS	3-Apr-89	
D324527	07/328,348	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	24-Mar-89	
D324228	332814	INTERLOCKING MOUNTED ABRASIVE COMPACTS	3-Apr-89	
D330206	328347	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANKS	24-Mar-89	

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	08/779,417	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	7-Jan-97	128346.64701
	09/729,525	ABRASIVE DIAMOND COMPOSITE AND METHOD OF MAKING THEREOF	4-Dec-00	128346.12001
	09/737,667	JADEITE AND ITS PRODUCTION	15-Dec-00	128346.41701
	09/783,441	SURFACE ENRICHED DIAMOND AND METHOD OF MAKING	14-Feb-01	128346.32301
	09/799,192	JADEITE AND ITS PRODUCTION	5-Mar-01	128346.41711
	09/901,159	SURFACE MODIFICATION OF COATED ABRASIVES TO ENHANCE THEIR ADHESION IN RESIN BOND TOOLS	9-Jul-01	128346.11201
	09/931,312	HIGH PRESSURE PRODUCTION OF PEROVSKITES	16-Aug-01	128346.41801
	09/935,957	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	23-Aug-01	128346.32101
	09/988,244	CRYSTAL MIXING FOR LOW POWER GRINDING	18-Nov-01	128346.31901
	10/001,573	LOW OXYGEN CUBIC BORON NITRIDE	2-Nov-01	128346.31801
	10/014,547	METHOD AND APPARATUS FOR CUTTING GRANITE	14-Dec-01	128346.32001
	10/099,362	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORED DIAMONDS	25-Aug-00	128346.41501
	10/161,266	ENHANCED METHOD FOR MAKING CVD DIAMOND	3-Jun-02	128346.34901
	10/183,098	MATRIX CUTTER	25-Jun-02	128346.78501
	10/255,431	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	26-Sep-02	128346.65801
	10/338,136	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORLESS AND FANCY COLORED DIAMONDS	8-Jan-03	128346.41421
	10/344,249	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	11-Feb-03	128346.41601
	10/411,471	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	8-Apr-03	128346.64711
	10/437,469	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	8-Jul-03	128346.70201
	10/437,516	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	14-May-03	128346.60301
	10/690,761	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	22-Oct-03	128346.60701
	10/731,068	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	9-Dec-03	128346.30101
	10/737,541	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	12-Dec-03	128346.41411
	60/139,654	METHOD AND APPARATUS FOR CUTTING GRANITE	17-Jun-99	128346.32000
	60/224,485	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	11-Aug-00	128346.41600
	60/399,778	SCRATCH-PROOF COMPOSITE WATCH GLASS	31-Jul-02	128346.40100
	60/438,957	AUTOCATALYTIC NICKEL-BORON COATING PROCESS FOR DIAMOND PARTICLES	9-Jan-03	128346.10100
	60/440,455	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	15-Jan-03	128346.40700
	60/445,609	WEAR AND CORROSION PREVENTION IN FIREARMS	7-Feb-03	128346.40800
	60/445,610	CLIPPER BLADE SETS AND COMBS WITH IMPROVED WEAR RESISTANCE	7-Feb-03	128346.41000
	60/445,613	PCD AND PCBN TOOL BLANKS WITH PREFIXED BRAZE ALLOY	7-Feb-03	128346.60500
	60/445,614	WEAR CONTROL IN CONTINUOUS GLASS FIBER PLANTS	7-Feb-03	128346.40400
	60/445,615	IMPROVED WEAR RESISTANT COMPONENTS FOR SIZE REDUCTION AND SIZE CLASSIFICATION EQUIPMENT	7-Feb-03	128346.40300
	60/445,631	EXTRUSION AND COMPOUNDING EQUIPMENT COMPONENTS WITH IMPROVED WEAR RESISTANCE	7-Feb-03	128346.40200
	60/445,632	AIRCRAFT ENGINE WEAR PARTS	7-Feb-03	128346.40900
	60/445,633	WEAR AND CORROSION RESISTANT ORIFICE AND RELATED COMPONENTS	7-Feb-03	128346.410600
	60/445,659	WEAR-RESISTANT DRILL BIT BODIES AND OTHER COMPONENTS FOR OIL AND GAS DRILLING	7-Feb-03	128346.40500
	60/447,808	IMPROVED WEAR PERFORMANCE TOOLS FOR METAL, PLASTIC, CERAMIC AND COMPOSITE FORMING	14-Feb-03	128346.41100
	60/453,487	IMPROVED TOOLS FOR MACHINING FIBER CEMENTS	11-Mar-03	128346.60000
	60/464,517	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	22-Apr-03	128346.40710

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	10/411,471	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	8-Apr-03	128346.14711
	10/262,784	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	2-Oct-02	128346.32111
	60/467,311	A METHOD OF MAKING ABRASIVE TOOLS FROM BI-MODAL DIAMOND OR CUBIC BORON NITRIDE POWDER	2-May-03	128346.60700
	60/469,285	COATINGS WITH HIGHLY TORTUOUS SURFACE TOPOGRAPHY FOR ABRASIVE/SUPERABRASIVE PARTICLES USED IN	8-May-03	128346.10300
	60/469,287	DRILL BITS, ROUTER BITS, PROFILE CUTTERS, FILES, PLANING AND SAW BLADES WITH IMPROVED WEAR RESISTANCE	8-May-03	128346.41200
	60/470,306	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	14-May-03	128346.60700
	60/509,625	SELECTION OF DIAMONDS GRIT MORPHOLOGY AND SIZE DISTRIBUTION FOR CMP CONDITIONER APPLICATION	8-Oct-03	128346.80200
	60/528,372	COMPRESSION CONTAINER FOR POLYCRYSTALLINE WIRE DIE	10-Dec-03	128346.20100
	10/621,710	METHOD FOR PRODUCING SINTERED POLYCRYSTALLINE DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	17-Jul-03	128346.60401
	60/495,148	METHOD TO IMPROVE TOOL INTEGRITY WHEN CUTTING STONE	14-Aug-03	128346.30300
	60/528,576	Cubic Boron Nitride Sintered Body and Method for Making the Same	3-Dec-03	128346.60900
	60/523,321	Grinding Wheel for Roll Grinding Application and Method of Roll Grinding Thereof	23-Dec-03	128346.35300
	60/473,511	POLYCRYSTALLINE DIAMOND TIPSON CUTTERS FOR HIGH SPEED DISC SAWHEADS FOR APPLICATION IN THE TIMBER INDUSTRY	23-May-03	128346.60100
	10/172,034	LASER SUPPORT NICKEL-PLATING OF SUPERABRASIVE TOOL	14-Jun-02	128346.10201
	10/455,008	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	5-Jun-03	128346.70101
	10/411,471	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	8-Apr-03	128346.14711